# LAND APPLICATION SITE EARL ALAN MULLIS DWEAM 1-15 DINWIDDIE COUNTY

DWEAM Earl Mullis Sitebook

### VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS

|          | <br>       | 0.0001100     | AND INDUSTRIAL | DECIDITALS  |
|----------|------------|---------------|----------------|-------------|
| <br>LAND | LAGREEMENI | - RIUSULIUS I | AND INDUSINIAL | . ALGIDUALO |

| here as "Landowner", and until it is terminated in writing   | ng by either party<br>or more parcels,<br>changes, those   | y or, with respect to<br>until ownership of<br>parcels for which   | o those parcels that<br>all parcels changes.<br>ownership has chan  | ". This agreement remains in effect are retained by the Landowner in If ownership of individual parcels ged will no longer be authorized to   |
|--|--|--|---|---|
| agricultural, silvicultural or documentation identifying   | reclamation sites<br>owners, attached  | as Exhibit A.  | n rable i and identi  | fied on the tax map(s) with county  |
| Table 1.: Parcels a  |  | THE RESERVE THE PARTY OF THE PA |   | ls or other industrial sludges  Tax Parcel ID   |
| Tax Parcel ID  | Tax P  | arcel ID   | Tax Parcel ID   | Tax Parcel ID   |
| 78-2A  |  |  |   |   |
| 78-3   |  |  |   |   |
| 78-3E  |  |  |   |   |
|  |  |  |   | ř .   |
| ☐ Additional parcels contain   | ning Land Application  | Sites are identified or  | Supplement A (check if  | applicable)   |
| In the event that the Lando within 38 months of the lat 1. Notify the purchas than the date of th 2. Notify the Permitte The Landowner has no oth notify the Permittee immer application or any part of the Landowner hereby gragricultural sites identified inspections on the land idepurpose of determining conclass B biosolids    Yes   No   No | owner sells or tra est date of bioso er or transferee e property transfere of the sale with mer agreements of diately if condition his agreement becamts permission above and in Expentified above, becampliance with re- mer treatment resideres. | Insfers all or part of<br>olids application, the<br>of the applicable pater; and<br>hin two weeks follow<br>for land application<br>ns change such the<br>ecomes invalid or<br>to the Permittee to<br>whibit A. The Land<br>efore, during or aftegulatory requirem   | e Landowner shall: ublic access and cro owing property trans on the fields identified the information here land apply residual owner also grants per land application | op management restrictions no later of the contained becomes incorrect. It is as specified below, on the permitted for permitted for DEQ staff to conduct of permitted residuals for the                                    |
| Printed name  Far Wlaw M.  By:  Title* Cwner   | 1) 5 / 5   | 285 Harpers<br>Ichenney, VA  |   | Earl Herfunds   |
| * I certify that I have author   | rity to sign for the la  | ndowner as indicated   | by my title as executor,  | Trustee or Power of attorney, etc.  |
| *□ I certify that I am a respon  | sible official [or off   | icer] authorized to act  | on behalf of the followi  | ng corporation, partnership,  |
| authorized by the VPA Perm<br>prepared for each land appli<br>The Permittee agrees to not<br>specifically prior to any partic  | Permittee, agrees t<br>it Regulation and i<br>cation field by a pe<br>fy the Landowner   | o apply biosolids an<br>in amounts not to ex<br>erson certified in acc<br>or the Landowner's<br>the Landowner's la   | ceed the rates identifice ordance with §10.1-10 designee of the propo   | s on the Landowner's land in the manner ed in the nutrient management plan 14.2 of the Code of Virginia. sed schedule for land application and the source of residuals to be applied.  Permittee- Authorized Representative |
| Printed name Susan Trumi   | 00   | Mailing Address PO Box 562, Reming   | ton Virginia 22734  | Permittee- Authorized Representative  |
| Title Technical M  |  | Phone No. 540-54   |   | Starks  |

| Permitt                               | ee: Recyc Systems, Inc County or City: Din Niddie.  |
|---------------------------------------|---|
|                                       | wner: <u>Fast</u> Allan Mullis  |
| Landov                                | wner Site Management Requirements:  |
| land app                              | ndowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the<br>dication of biosolids, the components of biosolids and proper handling and land application of biosolids.  |
| I have all<br>Identified<br>that I am | lso been expressly advised by the Permittee that the site management requirements and site access restrictions<br>d below must be complied with after biosolids have been applied on my property in order to protect public health, and<br>n responsible for the implementation of these practices.   |
| of biosol                             | to implement the following site management practices at each site under my ownership following the land application lids at the site:   |
| b                                     | lotification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a iosolids land application site, unless requested by the Permittee, until at least 30 days after land application at that ite is completed.   |
| 2. P                                  | Public Access  a. Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosolids.   |
|                                       | b. Public access to land with a low potential for public exposure shall be restricted for at least 30 days following<br>any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during<br>this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or   |
|                                       | <ul> <li>aerosols;</li> <li>Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.</li> </ul>   |
| 3. <b>C</b>                           | <ul> <li>a. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids.</li> <li>b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil,</li> <li>c. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation.</li> <li>d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids;</li> <li>e. Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy animals).</li> </ul> |
| 4 <u>2</u> L                          | ivestock Access Restrictions: Following biosolids application to pasture or hayland sites: a. Meat producing livestock shall not be grazed for 30 days, b. Lactating dairy animals shall not be grazed for a minimum of 60 days. c. Other animals shall be restricted from grazing for 30 days;   |
| r                                     | Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial<br>esiduals applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient<br>nanagement plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia;   |
| У                                     | Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 bounds/acre (0.5 kilograms/hectare).   |
| χ                                     | Las Her Me 10/22/8  Landowner's Signature Date  |
| X                                     | Deperator's Signature mailing address & phone Date  |

#### VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS

#### PART D-VI: LAND APPLICATION AGREEMENT - BIOSOLIDS AND INDUSTRIAL RESIDUALS

A. This land application agreement is made on <u>8-6-2020</u> between <u>Marne Mallis</u> referred to here as "Landowner", and <u>Recyc Systems, Inc.</u> referred to here as the "Permittee" This agreement remains in effect until it is terminated in writing by either party or, with respect to those parcels that are retained by the Landowner in the event of a sale of one or more parcels, until ownership of all parcels changes. If ownership of individual parcels identified in this agreement changes, those parcels for which ownership has changed will no longer be authorized to receive biosolids or industrial residuals under this agreement.

The Landowner is the owner of record of the real property located in agricultural, silvicultural or reclamation sites identified below in Table 1 and identified on the tax map(s) with county documentation identifying owners, attached as Exhibit A.

| Tax Parcel ID | Tax Parcel ID                  | Tax Parcel ID                                  | Tax Parcel ID |
|---------------|--------------------------------|--|---------------|
| 78-2A         | ÷                              |  |               |
| 78-3          | or at which on the silenger at | 5 35 10 CO 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | a pagnet v    |
| 78-3E         |                                |  |               |
| 2 2 2         | s                              |  |               |

Additional parcels containing Land Application Sites are identified on Supplement A (check if applicable)

Check one:

The Landowner is the sole owner of the properties identified herein.

The Landowner is one of multiple owners of the properties identified herein.

In the event that the Landowner sells or transfers all or part of the property to which biosolids have been applied within 38 months of the latest date of biosolids application, the Landowner shall:

- 1. Notify the purchaser or transferee of the applicable public access and crop management restrictions no later than the date of the property transfer; and
- Notify the Permittee of the sale within two weeks following property transfer.

The Landowner has no other agreements for land application on the fields identified herein. The Landowner will notify the Permittee immediately if conditions change such that the fields are no longer available to the Permittee for application or any part of this agreement becomes invalid or the information herein contained becomes incorrect.

The Landowner hereby grants permission to the Permittee to land apply residuals as specified below, on the agricultural sites identified above and in Exhibit A. The Landowner also grants permission for DEQ staff to conduct inspections on the land identified above, before, during or after land application of permitted residuals for the purpose of determining compliance with regulatory requirements applicable to such application.

| Class B biosolids Water treatmen  ☑ Yes ☐ No ☑ Yes ☐ N   |  | Food proc<br>⊠Yes    | essing waste<br>□ No   | Other indust<br>⊠ Yes | rial sludges<br>□ No |
|--|--|----------------------|------------------------|-----------------------|----------------------|
| Printed name Mayme W. Mullis By: Title*  | Mailing Address<br>5285 Ho<br>Mc Kenne<br>Phone No. 80 | pers<br>y.vA<br>4-89 | rd.<br>23872<br>2.4466 | Landowner Sig         | nature<br>Mulki      |
| *□ I certify that I have authority to sign for<br>*□ I certify that I am a responsible official<br>proprietorship, LLC, municipality, state or f | [or officer] authorize                                 |                      |                        |                       |                      |

Recyc Systems, Inc., the Permittee, agrees to apply biosolids and/or industrial residuals on the Landowner's land in the manner authorized by the VPA Permit Regulation and in amounts not to exceed the rates identified in the nutrient management plan prepared for each land application field by a person certified in accordance with §10.1-104.2 of the Code of Virginia.

The Permittee agrees to notify the Landowner or the Landowner's designee of the proposed schedule for land application and specifically prior to any particular application to the Landowner's land. Notice shall include the source of residuals to be applied.

| Printed nar | me                | Mailing Address                      | Permittee- Authorized Representative |
|-------------|-------------------|--------------------------------------|--------------------------------------|
|             | Susan Trumbo      | PO Box 562, Remington Virginia 22734 | Signature                            |
| Title       | Technical Manager | Phone No. 540-547-3300               | Grente                               |

| Landowner Site Management Requirements:  I, the Landowner, I have received a DEQ Blosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of blosolids and proper handling and land application of biosolids.  I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.  I agree to implement the following site management practices at each site under my ownership following the land application of biosolids at the site.  1. Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosolids land application site, unless requested by the Permittee, until at least 30 days after land application at that site is completed.  2. Public Access  a. Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosolids.  b. Public access to land with a two potential for public exposure shall be restricted for at least 30 days following any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to sail, custs or a serosols;  c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested tiff is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEO.  3. Crop Restrictions:  a. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 10 months after the application of biosolids when the biosolids remain on the land surface of the land shall not b  | Permitte                   | e: Rec   | cyc Systems, Inc   | _ County or City: <u>Dincol</u>  | ddie  |
|---|----------------------------|--|--|--|---|
| I, the Landowner, I have received a DEQ Biosolids Fact Sneet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of biosolids.  I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be completed with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.  1 agree to implement the following site management practices at each site under my ownership following the land application of biosolids at the site:  1. Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosolidis land application site, unless requested by the Permittee, until at least 30 days after land application at that site is completed.  2. Public Access  a. Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosolids. b. Public access to land with a top optential for public exposure shall be restricted for at least 30 days following any application of biosolids. b. Public access to land with a top optential for public exposure shall be restricted for at least 30 days following any application of biosolids. b. Turt growth of time unless adequate provisions are made to prevent public exposure to soil, days following any application of biosolids are applied shall not be harvested for at least one year after application of biosolids when the harvested parts that touch the biosolids/soil mixture and are totally above the land surface of his public access to the harvested for 14 months after the application of biosolids when the harvested parts that touch the biosolids/soil mixture and are totally above the land surface for public remains and the land surface for a time period of four (4) or more months prior to incorpor  | Landow                     | ner: Mayme   | Mullis   | _  |   |
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| I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be compiled with after biosofids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.  1. Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosofids at the site:  1. Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosofids land application site, unless requested by the Permittee, until at least 30 days after land application at that site is completed.  2. Public Access  2. Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosofids.  3. Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosofids.  4. Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosofids.  5. Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosofids.  6. Public access to land with a low potential for public exposure shall be restricted for at least 30 days following this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols:  6. Turf grown on land where biosofids are applied shall not be harvested for one year after application of biosolids when the harvested buff is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.  3. Crop Restrictions:  a. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids when the biosolids r  |                            |  |  |  |   |
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| <ol> <li>Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosolids land application site, unless requested by the Permittee, until at least 30 days after land application at that site is completed.</li> <li>Public Access         <ul> <li>a. Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosolids.</li> <li>b. Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols;</li> <li>c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.</li> </ul> </li> <li>3. Crop Restrictions:         <ul> <li>a. Food crops with harvested parts the two the surface of the land shall not be harvested for 14 months after the application of biosolids.</li> <li>b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil.</li> <li>c. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation.</li> <li>d. Other food crops and fiber crops shall not be harvested for 30 days fafter the application of biosolids;</li> <li>e. Feed crops shall not be ha</li></ul></li></ol>  | identified b               | pelow must be cor  | mplied with after biosolids ha   | ve been applied on my property in o  | s and site access restrictions<br>order to protect public health, and   |
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| <ul> <li>a. Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosolids.</li> <li>b. Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols;</li> <li>c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.</li> <li>3. Crop Restrictions: <ul> <li>a. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids.</li> <li>b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface of the land shall not be harvested for 30 months when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil,</li> <li>d. C. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation.</li> <li>d. Other food crops and fiber crops shall not be prazeted for 30 days after the application of biosolids;</li> <li>e. Feed crops shall not be harvested for 30 days after the application of biosolids and industrial residuals applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia;</li> <td>bios</td><td>solids land applica</td><td>will not remove any signs pos<br/>ation site, unless requested b</td><td>sted by the Permittee for the purpos<br/>y the Permittee, until at least 30 day</td><td>e of identifying my field as a<br/>ys after land application at that</td></ul></li></ul> | bios                       | solids land applica  | will not remove any signs pos<br>ation site, unless requested b  | sted by the Permittee for the purpos<br>y the Permittee, until at least 30 day   | e of identifying my field as a<br>ys after land application at that   |
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| <ul> <li>c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.</li> <li>3. Crop Restrictions: <ul> <li>a. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids.</li> <li>b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil,</li> <li>c. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation.</li> <li>d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids;</li> <li>e. Feed crops shall not be harvested for 30 days after the application of biosolids;</li> <li>d. Livestock Access Restrictions:         <ul> <li>Following biosolids application to pasture or hayland sites:</li> <li>a. Meat producing livestock shall not be grazed for 30 days,</li> <li>b. Lactating dairy animals shall not be grazed for 30 days,</li> <li>c. Other animals shall be restricted from grazing for 30 days,</li> </ul> </li> <li>5. Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial residuals applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia;</li> <li>6. Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of</li></ul></li></ul>  |                            | b. Public access any applicat this same pe   | ss to land with a low potential<br>ion of biosolids. No biosolids  | amended soil shall be excavated  | or removed from the site during   |
| <ul> <li>a. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids.</li> <li>b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil,</li> <li>c. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation.</li> <li>d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids;</li> <li>e. Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy animals).</li> <li>4. Livestock Access Restrictions:</li> <li>Following biosolids application to pasture or hayland sites:</li> <li>a. Meat producing livestock shall not be grazed for 30 days,</li> <li>b. Lactating dairy animals shall not be grazed for a minimum of 60 days.</li> <li>c. Other animals shall be restricted from grazing for 30 days;</li> <li>5. Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial residuals applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia;</li> <li>6. Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).</li> </ul>   |                            | c. Turf grown o  | en the harvested turf is place   | pplied shall not be harvested for or<br>ed on either land with a high potenti  | e year after application of<br>al for public exposure or a lawn,  |
| Following biosolids application to pasture or hayland sites:  a. Meat producing livestock shall not be grazed for 30 days, b. Lactating dairy animals shall not be grazed for a minimum of 60 days. c. Other animals shall be restricted from grazing for 30 days;  5. Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial residuals applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia;  6. Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).   Augustian Date  Date  | 3. Crop                    | <ul> <li>a. Food crops of shall not be</li> <li>b. Food crops of application of months prior</li> <li>c. Food crops of biosolids rend</li> <li>d. Other food ce</li> <li>e. Feed crops of shall prior shall prior</li> </ul> | harvested for 14 months afte with harvested parts below the biosolids when the biosolid ro incorporation into the soil with harvested parts below the nain on the land surface for a grops and fiber crops shall no shall not be harvested for 30. | or the application of biosolids.  The surface of the land shall not be hear the land surface for a the land shall not be hear the surface of the land shall not be hear time period of less than four (4) me to be harvested for 30 days after the | arvested for 20 months after the ime period of four (4) or more arvested for 38 months when the onths prior to incorporation. |
| residuals applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia;  6. Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).   ***  ***  **  **  **  **  **  **  *  |                            | Following biosolic<br>a. Meat produc<br>b. Lactating da  | ds application to pasture or h<br>ling livestock shall not be gra<br>iry animals shall not be graze  | zed for 30 days,<br>ed for a minimum of 60 days.   |   |
| years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).   | resid                      | duals applications   | such that the total crop need  | ds for nutrients are not exceeded a  | s identified in the nutrient  |
| × Marne Wullis  Landawner's Signature  8/6/2020   | year                       | s following the ap   | plication of biosolids or indu   | ate cadmium, should not be grown of strial residuals which bear cadmiun  | on the Landowner's land for three<br>n equal to or exceeding 0.45   |
|   | × W<br>Lan                 | dwner Signa  | ture WM us   | llis   | 8/6/2020  |
| Operator's Signature mailing address & phone Date   | X                          | erator's Signatur  | re mailing ac  | ddress & phone   | Date  |

#### VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS

|   | FORM D: MUNICIPA   | L EFFLUENT AND   | BIOSOLIDS  |  |
|---|--|--|--|--|
|   | APPLICATION AGREEM   |  | Anna S Hrim  |  |
| remains in effect until it<br>the Landowner in the ex<br>individual parcels identii                                     | agreement is made on   | , referred to here as to<br>either party or, with respe<br>e parcels, until ownershi<br>ges, those parcels for wi                                    | Trustee<br>the "Permittee". This<br>ect to those parcels the<br>p of all parcels chang<br>hich ownership has c | referred to agreement nat are retained by ges. If ownership of |
|   | wner of record of the real p<br>ural or reclamation sites ide  |  |  |  |
| Table 1.: Parcels   | authorized to receive biosc  | olids, water treatment res   | siduals or other indus   | trial sludges  |
| Tax Parcel ID   | Tax Parcel ID  | Tax Parce  | IID T  | ax Parcel ID   |
| 90-14   | ==   |  |  |  |
| 90-18   |  |  |  |  |
|   |  |  |  |  |
|   |  | 4.   |  |  |
| Additional parcels containing   | Land Application Sites are identifi  | ad on Supplement A (check if   | applicable)  |  |
| In the event that the Lan<br>within 38 months of the<br>1. Notify the purch<br>later than the da<br>2. Notify the Permi | The Landowner is the sole The Landowner is one of no idowner sells or transfers a latest date of biosolids applicate or transferee of the applicate of the property transfer; the of the sale within two versions. | nultiple owners of the pro<br>Il or part of the property<br>lication, the Landowner s<br>plicable public access a<br>and<br>veeks following property | operties identified her<br>to which biosolids ha<br>shall:<br>nd crop managemen<br>transfer.                   | ve been applied<br>t restrictions no                           |
| notify the Permittee imm  | other agreements for land a<br>ediately if conditions chang<br>rt of this agreement becom  | e such that the fields ar  | e no longer available  | to the Permittee   |
| agricultural sites identific<br>inspections on the land i   | grants permission to the Pe<br>ed above and in Exhibit A.<br>dentified above, before, du<br>compliance with regulatory   | The Landowner also gra<br>ring or after land applica   | ints permission for Di<br>tion of permitted resi   | EQ staff to conduct  |
|   | <u>ater treatment residuals</u><br>Yes □ No  | Food processing was   ☑ Yes □ No   |  | <u>al sludges</u><br>] No                                      |
| Lestie Horner Kend<br>Landowner - Printed Name,<br>Charles R. Hor,  |  | Horner Kendell   | 1000 Branch St   | RD. COLONIAL HEIGHT  |
| Recyc Systems, Inc., to nanner authorized by the V  | he Permittee, agrees to apply<br>/PA Permit Regulation and in<br>I application field by a person   | amounts not to exceed the  | rates identified in the n  | utrient management   |
| he Permittee agrees to no   | tify the Landowner or the Land   | downer's designee of the p   | roposed schedule for la  | and application and  |

The Permittee agrees to notify the Landowner or the Landowner's designee of the proposed schedule for land application and specifically prior to any particular application to the Landowner's land. Notice shall include the source of residuals to be applied.

☐ I reviewed the document(s) assigning signatory authority to the person signing for landowner above. I will make a copy of this document(s) available to DEQ for review upon request. (Do not check this box if the landowner signs this agreement)

Permittee – Authorized Representative Printed Name Signature

PO Box 562 Remington, Virginia 22734

Mailing Address

#### VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION: PART D-VI LAND APPLICATION AGREEMENT

| Land   | lowner: Marion Raymond Horner, Jr<br>Leslie Horner Kendall  |
|--------|---|
| Land   | downer Site Management Requirements:  |
|        | Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land attended at the components of biosolids and proper handling and land application of biosolids.   |
| identi | e also been expressly advised by the Permittee that the site management requirements and site access restrictions<br>fied below must be complied with after biosolids have been applied on my property in order to protect public health, and<br>am responsible for the implementation of these practices.  |
|        | e to implement the following site management practices at each site under my ownership following the land application of ids at the site:   |
| 1.:    | Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosolids land application site, unless requested by the Permittee, until at least 50 days after land application at that site is completed.   |
| 2.     | <ul> <li>Public Access</li> <li>a. Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosolids.</li> <li>b. Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols;</li> <li>c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.</li> </ul>   |
| 3.     | <ul> <li>Crop Rest. ntions: <ul> <li>a. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids.</li> <li>b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil,</li> <li>c. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation.</li> <li>d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids;</li> <li>e. Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy animals).</li> </ul> </li> </ul> |
| 4.     | Livestock Access Restrictions: Following biosolids application to pasture or hayland sites: a. Meat producing livestock shall not be grazed for 30 days, b. Lactating dairy animals shall not be grazed for a minimum of 60 days. c. Other animals shall be restricted from grazing for 30 days;  |
| 5.     | Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial residuals applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia;  |
| 6.     | Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).   |
| 4      | Landowner's Signature Date  |
|        |   |

#### VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION: PART D-VI LAND APPLICATION AGREEMENT

#### **Landowner Coordination Form**

This form is used by the Permittee to identify properties (tax parcels) that are authorized to receive biosolids and/or industrial residuals, and each of the legal landowners of those tax parcels. A Land Application Agreement-Biosolids and Industrial Residuals from original signature must be attached for each legal landowner identified below prior to land application at the identified parcels.

Permittee:

Recyc Systems, Inc.

Site Name:

Earl Allen Mullis

County or City:

**Dinwiddie County** 

Please Print

Signature not required on this page

| Tax Parcel ID(s) | Landowners (s)   |  |  |  |  |
|------------------|--|--|--|--|--|
| 78-2A            | Earl Alan & Wran M. Mullis                               |  |  |  |  |
| 78-3             | Earl Alan & Wran M. Mullis                               |  |  |  |  |
| 78-3E            | Earl Alan & Mayme W. Mullis                              |  |  |  |  |
| 90-14            | Anne S. Horner Trustee; Revocable Trust of Anne S. Horne |  |  |  |  |
| 90-18            | Anne S. Horner Trustee; Revocable Trust of Anne S. Horne |  |  |  |  |
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### **FARM DATA SHEET**

| SITE NAME:            | Earl Alan Mullis  | COUNTY:                  | Dinwiddie  |
|-----------------------|---|--------------------------|--|
| OWNER:                | See List Below  | OPERATOR:                | Earl Alan Mullis   |
| OWNER'S               | See List Below  | OPERATOR'S               | 5285 Harpers Rd.   |
| ADDRESS:              |   | ADDRESS:                 | McKenney, VA 23872   |
| OWNER'S<br>TELEPHONE: | See List Below  | OPERATOR'S<br>TELEPHONE: | 804-892-4466   |
| GENERAL FARM<br>TYPE: | Hay, Pasture & Cattle   | CELL PHONE:              | 5  |
| # CATTLE:             | 50  | EMAIL:                   | -  |
| LAGOON or SLURRY:     | None  | LATITUDE:                | F 1-9 36.992<br>F 10-15 36.941   |
| TOPO QUAD:            | Warfield & McKenney   | LONGITUDE:               | F 1-9 -77.818<br>F 10-15 -77.722   |
| COMMENTS:             |   | METHOD OF DETERMINATION: | Online Maps  |
| · -                   | Anne S. Horner<br>ad 1217 W. Ro<br>872 Colonial Heig<br>804-52<br>nd Wran M. Mullis are the | •                        | Leslie Horner-Kendall co- trustee of the Anne S. Horner Revocable Trust 1000 Branch Street Wilson, NC 27893 252-281-1608 county has her listed two |
| different ways. Her i | real name is Mayme Wrar   | n Mullis.                |  |
|                       |   |                          | 8-14-20  |

#### **NEW FIELD CHANGES**

#### **EARL ALAN MULLIS**

#### **DINWIDDIE COUNTY**

**NEW FIELD 1 IS OLD FIELD 1.** 

**NEW FIELD 2 IS OLD FIELDS 2 AND 4.** 

**NEW FIELD 3 IS OLD FIELD 3.** 

**NEW FIELD 4 IS OLD FIELDS 11 AND 12.** 

**NEW FIELD 5 IS PART OF OLD FIELD 4.** 

**NEW FIELD 6 IS OLD FIELD 5 AND 13.** 

**NEW FIELD 7 IS PART OF OLD FIELD 14.** 

NEW FIELD 8 IS OLD FIELD 6 AND PART OF OLD FIELD 14.

**NEW FIELD 9 IS A NEW FIELD.** 

**NEW FIELD 10 IS OLD FIELD 7.** 

**NEW FIELD 11 IS PART OF OLD FIELD 9.** 

**NEW FIELD 12 IS PART OF OLD FIELD 8.** 

**NEW FIELD 13 IS PART OF OLD FIELD 8.** 

**NEW FIELD 14 IS OLD FIELD 10.** 

**NEW FIELD 15 IS PART OF OLD FIELDS 7 AND 9.** 

## RECYC SYSTEMS, INC FIELD DATA SHEET

| Field          | Gross | Environn    | nentally Se | ensitive | Soils      |       | Tax           | FSA                                 |
|----------------|-------|-------------|-------------|----------|------------|-------|---------------|-------------------------------------|
|                |       |             | Bed Rock/   | Surf/    |            | Hydro |               |                                     |
| Identification | Acres | Water Table | Shallow     | Leach    | Freq Flood | Мар   | Мар#          | Tract #                             |
| DWEAM 1        | 11.6  | -           | .=          | -        | ĸ          | CU 11 | 78-3          | T 5256<br>F 7, 20                   |
| DWEAM 2        | 18.0  | -           |             | 15       |            | CU 11 | 78-3<br>78-2A | T 5256<br>F 2, 3                    |
| DWEAM 3        | 25.5  | ê           |             | T        | -          | CU 11 | 78-3          | T 5256<br>F 8                       |
| DWEAM 4N       | 27.7  | 16A Nov-May | j.          | 1        | -          | CU 11 | 78-3<br>78-2A | T 5256<br>F 13                      |
| DWEAM 5N       | 4.7   | ¥           | *           | i i      | 39         | CU 11 | 78-3          | T 5256<br>F 4, 5                    |
| DWEAM 6N       | 43.4  | -           | ı           | -        | i i        | CU 11 | 78-3          | T 5256<br>F 6, 9, 10, 11,<br>14, 15 |
| DWEAM 7N       | 26.0  | 16A Nov-May | X           | 14       | 1          | CU 11 | 78-3          | T 5256<br>F 15                      |
| DWEAM 8N       | 9.1   | <b>.</b>    |             | -        |            | CU 11 | 78-3          | T 5256<br>F 12, 15                  |
| DWEAM 9N       | 8.2   | 200         |             | 191      | -          | CU 11 | 78-3E         | T 5454<br>F None                    |
|                |       |             |             |          | <i>tt</i>  |       |               |                                     |

## RECYC SYSTEMS, INC FIELD DATA SHEET

| Field                  | Gross | Environn    | nentally Se | ensitive   | Soils        |       | Тах   | FSA             |
|------------------------|-------|-------------|-------------|------------|--------------|-------|-------|-----------------|
| 1.1. 4262 42           |       |             | Bed Rock/   | Surf/      |              | Hydro |       |                 |
| Identification         | Acres | Water Table | Shallow     | Leach      | Freq Flood   | Мар   | Мар#  | Tract #         |
| DWEAM 10N              | 10.2  |             | -           | =:         | <b>(4</b> )) | CU 13 | 90-18 | T 857<br>F 1    |
| DWEAM 11N              | 7.0   | _ #-        | =           | <b>æ</b> Æ | <b>=</b> 3   | CU 13 | 90-18 | T 857<br>F 4, 5 |
| DWEAM 12N              | 19.0  | 16A Nov-May | =           | ₽2         | <b>.</b>     | CU 13 | 90-18 | T 857<br>F 3    |
| DWEAM 13N              | 11.2  | 16A Nov-May | 12          | (a)        | 357<br>187   | CU 13 | 90-18 | T 857<br>F 3    |
| DWEAM 14N              | 8.0   | =           | - 2         | 3          | 3            | CU 13 | 90-18 | T 857<br>F 6, 7 |
| DWEAM 15               | 5.2   |             | -           | 4          | 2            | CU 13 | 90-14 | T 857<br>F 1, 2 |
|                        |       |             | ā           |            |              |       |       |                 |
|                        |       |             |             |            |              |       |       |                 |
|                        |       |             |             |            |              |       |       |                 |
| TOTAL ACRES IN<br>SITE | 234.8 |             |             |            |              |       |       |                 |

#### THE PLANNER IS NOT STATE CERTIFIED

#### Nutrient Management Plan Balance Sheet (Fall, 2020-Winter, 2022) Earl Alan Mullis Planner: John Doe

Tract: 857

Location: Dinwiddie

(N = N based, 1P = P based, 1.5P = P based at 1.5 removal, 0P = No P allowed)

| Field<br>CFSA No.<br>/Name | Size<br>(ac)<br>Total/<br>Used | Yr.  | Crop          | Needs<br>N-P-K<br>(lbs/ac) | Leg<br>/Man<br>Resid | Manure/Biosld<br>Rate & Type<br>(season) | IT<br>(d) | Man/Bios<br>N-P-K<br>(lbs/ac) | Net = Needs -<br>appld N-P-K<br>(lbs/ac) | Sum<br>P<br>rem<br>cred | Commercial<br>N-P-K<br>(lbs/ac) | Notes |
|----------------------------|--------------------------------|------|---------------|----------------------------|----------------------|--|-----------|-------------------------------|--|-------------------------|---------------------------------|-------|
| 1/DWEAM 10(N)              | 10/10                          | 2020 | Grass Pasture | 50-80-80                   | 0/0                  |  |           |                               | 50-80-80                                 | N/A                     |                                 |       |
| 4, 5/DWEAM 11(N)           | 7/7                            | 2020 | Grass Pasture | 50-80-80                   | 0/0                  |  |           |                               | 50-80-80                                 | N/A                     |                                 |       |
| 3/DWEAM 12(N)              | 19/19                          | 2020 | Grass Pasture | 50-80-80                   | 0/0                  |  |           |                               | 50-80-80                                 | N/A                     |                                 |       |
| 3/DWEAM 13(N)              | 11/11                          | 2020 | Grass Pasture | 0-0-0                      | 0/0                  |  |           |                               | 0-0-0                                    | N/A                     |                                 |       |
| 6, 7/DWEAM 14(N)           | 8/8                            | 2020 | Grass Pasture | 50-80-80                   | 0/0                  |  |           |                               | 50-80-80                                 | N/A                     |                                 |       |
| 1, 2/DWEAM 15(N)           | 5/5                            | 2020 | Grass Pasture | 50-80-80                   | 0/0                  |  |           |                               | 50-80-80                                 | N/A                     |                                 |       |

**Commercial Application Methods:** 

br - Broadcast ba - Banded sd - Sidedress

Notes:

Tract: 5256

Location: Dinwiddie

(N = N based, 1P = P based, 1.5P = P based at 1.5 removal, 0P = No P allowed)

| Field<br>CFSA No.<br>/Name         | Size<br>(ac)<br>Total/<br>Used | Yr.  | Crop          | Needs<br>N-P-K<br>(Ibs/ac) | Leg<br>/Man<br>Resid | Manure/Biosld<br>Rate & Type<br>(season) | (d) | Man/Bios<br>N-P-K<br>(lbs/ac) | Net = Needs -<br>appld N-P-K<br>(lbs/ac) | Sum<br>P<br>rem<br>cred | Commercial<br>N-P-K<br>(lbs/ac) | Notes |  |
|------------------------------------|--------------------------------|------|---------------|----------------------------|----------------------|--|-----|-------------------------------|--|-------------------------|---------------------------------|-------|--|
| 7, 20/DWEAM 1(N)                   | 12/12                          | 2020 | Grass Pasture | 50-80-80                   | 0/0                  |  |     |                               | 50-80-80                                 | N/A                     |                                 |       |  |
| 3, 2/DWEAM 2(N)                    | 18/18                          | 2020 | Grass Pasture | 50-80-80                   | 0/0                  |  |     |                               | 50-80-80                                 | N/A                     |                                 |       |  |
| 8/DWEAM 3(N)                       | 26/26                          | 2020 | Grass Pasture | 50-80-80                   | 0/0                  |  |     |                               | 50-80-80                                 | N/A                     |                                 |       |  |
| 13/DWEAM 4(N)                      | 28/28                          | 2020 | Grass Pasture | 50-30-40                   | 0/0                  |  |     |                               | 50-30-40                                 | N/A                     |                                 |       |  |
| 4, 5/DWEAM 5(N)                    | 5/5                            | 2020 | Grass Pasture | 50-80-80                   | 0/0                  |  |     |                               | 50-80-80                                 | N/A                     |                                 |       |  |
| 6, 9, 10, 11, 14,<br>15/DWEAM 6(N) | 43/43                          | 2020 | Grass Pasture | 50-80-80                   | 0/0                  |  |     |                               | 50-80-80                                 | N/A                     |                                 |       |  |
| 15/DWEAM 7(N)                      | 26/26                          | 2020 | Grass Pasture | 50-30-40                   | 0/0                  |  |     |                               | 50-30-40                                 | N/A                     |                                 |       |  |
| 12, 15/DWEAM<br>8(N)               | 9/9                            | 2020 | Grass Pasture | 50-80-80                   | 0/0                  |  |     |                               | 50-80-80                                 | N/A                     |                                 |       |  |

Commercial Application Methods: br - Broadcast ba - Banded sd - Sidedress

Notes:

Tract: 5454

Location: Dinwiddie

(N = N based, 1P = P based, 1.5P = P based at 1.5 removal, 0P = No P allowed)

| Field<br>CFSA No.<br>/Name | Size<br>(ac)<br>Total/<br>Used | Yr.  | Crop                 |           | Leg<br>/Man<br>Resid | Manure/Biosld<br>Rate & Type<br>(season) | IT<br>(d) | Man/Bios<br>N-P-K<br>(Ibs/ac) | Net = Needs -<br>appld N-P-K<br>(lbs/ac) | P   | Commercial<br>N-P-K<br>(lbs/ac) | Notes |  |
|----------------------------|--------------------------------|------|----------------------|-----------|----------------------|--|-----------|-------------------------------|--|-----|---------------------------------|-------|--|
| None/DWEAM 9(N)            | 8/8                            | 2020 | Fescue grass hay mt. | 90-80-170 | 0/0                  |  |           |                               | 90-80-170                                | N/A |                                 |       |  |

**Commercial Application Methods:** 

br - Broadcast ba - Banded sd - Sidedress

Notes:

#### Soil Test Summary

| Tract | Field     | Acre | Date             | P2O5 | K2O | Lab | Soil<br>pH | Lime<br>Date | rec. lime<br>tons/Ac |
|-------|-----------|------|------------------|------|-----|-----|------------|--------------|----------------------|
| 857   | DWEAM 10  | 10   | [No              | •    |     |     | 3115       |              |                      |
| 057   |           | 7    | Test]            |      |     |     |            |              |                      |
| 857   | DWEAM 11  | 7    | [No<br>Test]     |      |     |     |            |              |                      |
| 857   | DWEAM 12  | 19   | [No              |      |     |     |            |              |                      |
|       |           |      | Test]            |      |     |     |            |              |                      |
| 857   | DWEAM 13  | 11   | [No              |      |     |     |            |              |                      |
|       |           |      | Test]            |      |     |     |            |              |                      |
| 857   | DWEAM 14  | 8    | [No              |      |     |     |            |              |                      |
| 0.57  |           | -    | Test]            |      |     |     |            |              |                      |
| 857   | DWEAM 15  | 5    | [No              |      |     |     |            | 9            |                      |
| 5256  | DWEAM 1   | 12   | Test]<br>[No     |      |     |     |            |              |                      |
| J2J0  | DVVLAIVI  | 12   | Test]            |      |     |     |            |              |                      |
| 5256  | DWEAM 2   | 18   | [No              |      |     |     |            |              |                      |
|       |           |      | Test]            |      |     |     |            |              |                      |
| 5256  | DWEAM 3   | 26   | [No <sup>¹</sup> | è    |     |     |            |              |                      |
|       |           |      | Test]            |      |     |     |            |              |                      |
| 5256  | DWEAM 4   | 28   | [No              |      |     |     |            |              |                      |
|       |           | _    | Test]            |      |     |     |            |              |                      |
| 5256  | DWEAM 5   | 5    | [No              |      |     |     |            |              |                      |
| 5256  | DWEAM 6   | 43   | Test]<br>[No     |      |     |     |            |              |                      |
| 3230  | DVVEAIVIO | 43   | Test]            |      |     |     |            |              |                      |
| 5256  | DWEAM 7   | 26   | [No              |      |     |     |            |              |                      |
| 0200  | D112 ((1) | 20   | Test]            |      |     |     |            |              |                      |
| 5256  | DWEAM 8   | 9    | [No              |      |     |     |            |              |                      |
|       |           |      | Test]            |      |     |     |            |              |                      |
| 5454  | DWEAM 9   | 8    | [No              |      |     |     |            |              |                      |
|       |           |      | Test]            |      |     |     |            |              |                      |

#### Field Productivities for Major Crops

| Tract Name | Tract/<br>Field | Field Name | Acres | Predominant Soil Series | Corn | Small<br>Grain | Alfalfa       | Grass<br>Hay  | Environmental Warnings |
|------------|-----------------|------------|-------|-------------------------|------|----------------|---------------|---------------|------------------------|
| 857        | 857/1           | DWEAM 10   | 10    | Cecil                   | lVa  | П              | III           | TII T         |                        |
|            | 857/4, 5        | DWEAM 11   | 7     | Cecil                   | IVa  | Ш              | Ш             | II            |                        |
|            | 857/3           | DWEAM 12   | 19    | Cecil                   | IVa  | Ш              | Ш             | 11            |                        |
|            | 857/3           | DWEAM 13   | 11    | Roanoke                 | V    | V              | Not<br>Suited | Not<br>Suited |                        |
|            | 857/6, 7        | DWEAM 14   | 8     | Cecil                   | IVa  | II             | 111           | II            |                        |
|            | 857/1, 2        | DWEAM 15   | 5     | Cecil                   | IVa  | П              | III           | II            |                        |
| 5256       | 5256/7,<br>20   | DWEAM 1    | 12    | Cecil                   | IVa  | II             | 111           | 11            |                        |
|            | 5256/3, 2       | DWEAM 2    | 18    | Cecil                   | IVb  | Ш              | Ш             | Ш             |                        |
|            | 5256/8          | DWEAM 3    | 26    | Cecil                   | IVa  | II             | Ш             | П             |                        |
|            | 5256/13         | DWEAM 4    | 28    | Cecil                   | 1Vb  | IV             | Ш             | IV            |                        |
|            | 5256/4, 5       | DWEAM 5    | 5     | Cecil                   | IVa  | H              | III           | П             |                        |
|            | 5256/6, 9,<br>1 | DWEAM 6    | 43    | Cecil                   | IVa  | 11             | 111           | II            |                        |
|            | 5256/15         | DWEAM 7    | 26    | Roanoke                 | IVb  | IV             | Not<br>Suited | IV            |                        |
|            | 5256/12,<br>15  | DWEAM 8    | 9     | Cecil                   | IVa  | Ü              | Ш             | II            |                        |
| 5454       | 5454/Non<br>e   | DWEAM 9    | 8     | Cecil                   | IVa  |                | III           | II            |                        |

#### Yield Range

| Field<br>Productivity<br>Group | Corn Grain<br>Bu/Acre | Barley/Intensive<br>Wheat Bu/Acre | Std. Wheat<br>Bu/Acre | Alfalfa<br>Tons/Acre | Grass/Hay<br>Tons/Acre |
|--------------------------------|-----------------------|-----------------------------------|-----------------------|----------------------|------------------------|
|                                | >170                  | >80                               | >64                   | >6                   | >4.0                   |
| II                             | 150-170               | 70-80                             | 56-64                 | 4-6                  | 3.5-4.0                |
| III                            | 130-150               | 60-70                             | 48-56                 | <4                   | 3.0-3.5                |
| IV                             | 100-130               | 50-60                             | 40-48                 | NA                   | <3.0                   |
| V                              | <100                  | <50                               | <40                   | NA                   | NA                     |

#### **Farm Summary Report**

Plan:

**New Plan** 

Fall, 2020 - Winter, 2022

Farm Name:

**Earl Alan Mullis** 

Location:

Dinwiddie

Specialist:

John Doe

N-based Acres: 234.8 P-based Acres: 0.0

Tract Name:

857

FSA Number: 857

Location:

Dinwiddie

Field Name:

**DWEAM 10** 

Total Acres:

10.20 Usable Acres: 10.20

FSA Number: 1

В

Tract:

857

Location:

Dinwiddie

Slope Class:

Hydrologic Group:

В

Riparian buffer width: 0 ft Distance to stream: 0 ft

#### Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE

PH Р K

Lab

[NO TEST]

Soils:

**PERCENT** 

SYMBOL

SOIL SERIES

69 4B Cecil 31 4C Cecil

#### Field Warnings:

Field Name: DWEAM 11

Total Acres: 7.00 Usable Acres: 7.00

FSA Number: 4, 5 Tract: 857

Location: Dinwiddie

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft Distance to stream: 0 ft

#### Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE PH P K Lab

[NO TEST]

Soils:

PERCENT SYMBOL SOIL SERIES

20 4C Cecil 80 4B Cecil

#### Field Warnings:

Field Name: DWEAM 12

Total Acres: 19.00 Usable Acres: 19.00

FSA Number: 3 Tract: 857

Location: Dinwiddie

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft Distance to stream: 0 ft

#### Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE PH P K Lab

[NO TEST]

Soils:

PERCENT SYMBOL SOIL SERIES

58 4B Cecil
 40 4C Cecil
 2 16A Roanoke

Field Warnings:

Field Name: DWEAM 13

Total Acres: 11.20 Usable Acres: 11.20

FSA Number: 3 Tract: 857

Location: Dinwiddie

Slope Class: B Hydrologic Group: C

Riparian buffer width: 0 ft Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary N-based Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method Soil Test Results: DATE PΗ Ρ Κ Lab [NO TEST] Soils: PERCENT SYMBOL SOIL SERIES 76 16A Roanoke 20 4C Cecil 5 4B Cecil Field Warnings: **DWEAM 14** Field Name: Total Acres: 8.00 Usable Acres: 8.00 FSA Number: 6, 7 Tract: 857 Dinwiddie Location: Slope Class: Hydrologic Group: В В Riparian buffer width: 0 ft Distance to stream: 0 ft Conservation Practices: Pasture (>75% cover) P-Index Summary N-based Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method Soil Test Results: Κ DATE PH Р Lab

[NO TEST]

Soils:

PERCENT SYMBOL SOIL SERIES

20 2C Appling
 76 4B Cecil
 4 4C Cecil

#### Field Warnings:

Field Name: DWEAM 15

Total Acres: 5.20 Usable Acres: 5.20

FSA Number: 1, 2 Tract: 857

Location: Dinwiddie

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft Distance to stream: 0 ft

#### Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE PH P K Lab

[NO TEST]

Soils:

PERCENT SYMBOL SOIL SERIES

100 4B Cecil

Field Warnings:

**Tract Name:** 5256 FSA Number: 5256

Location: Dinwiddie

Field Name: DWEAM 1

Total Acres: 11.60 Usable Acres: 11.60

FSA Number: 7, 20 Tract: 5256

Location: Dinwiddie

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE PH P K Lab

[NO TEST]

Soils:

PERCENT SYMBOL SOIL SERIES

63 4B Cecil 37 4C Cecil

Field Warnings:

Field Name: DWEAM 2

Total Acres: 18.00 Usable Acres: 18.00

FSA Number: 3, 2 Tract: 5256

Location: Dinwiddie

Slope Class: C Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

#### Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

#### Soil Test Results:

DATE PH P K Lab [NO TEST]

#### Soils:

| PERCENT | SYM | 3OL   | SOIL SERIES |
|---------|-----|-------|-------------|
| 61      | 4C  | Cecil |             |
| 32      | 4B  | Cecil |             |
| 7       | W   | Water |             |

#### Field Warnings:

Field Name: DWEAM 3

Total Acres: 25.50 Usable Acres: 25.50

FSA Number: 8

Tract: 5256

Location: Dinwiddie

Slope Class: C Hydrologic Group: B

Riparian buffer width: 0 ft Distance to stream: 0 ft

#### Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE PH P K Lab

[NO TEST]

Soils:

PERCENT SYMBOL SOIL SERIES

51 4B Cecil 49 4C Cecil

Field Warnings:

Field Name: DWEAM 4

Total Acres: 27.70 Usable Acres: 27.70

FSA Number: 13 Tract: 5256

Location: Dinwiddie

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE PH P K Lab

[NO TEST]

Soils:

PERCENT SYMBOL SOIL SERIES

47 4C Cecil 12 4B Cecil 41 16A Roanoke

#### Field Warnings:

Field Name:

**DWEAM 5** 

Total Acres:

Usable Acres: 4.70 4.70

FSA Number: Tract:

4, 5

С

Location:

5256

Slope Class:

Dinwiddie Hydrologic Group:

В

Riparian buffer width: 0 ft Distance to stream: 0 ft

#### Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE

Р

PH

Κ

Lab

Soils:

**PERCENT** 

[NO TEST]

SYMBOL

**SOIL SERIES** 

21

4B Cecil

79

Cecil 4C

#### Field Warnings:

Field Name:

**DWEAM 6** 

Total Acres:

43.40 Usable Acres: 43.40

FSA Number: 6, 9, 10, 11, 14, 15

Tract: Location: 5256

Dinwiddie

Slope Class:

С

Hydrologic Group:

В

Riparian buffer width: 0 ft Distance to stream: 0 ft

#### Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE PH P K Lab

[NO TEST]

Soils:

PERCENT SYMBOL SOIL SERIES

33 4B Cecil 67 4C Cecil

#### Field Warnings:

Field Name: DWEAM 7

Total Acres: 26.00 Usable Acres: 26.00

FSA Number: 15 Tract: 5256

Location: Dinwiddie

Slope Class: B Hydrologic Group: C

Riparian buffer width: 0 ft Distance to stream: 0 ft

#### Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results: DATE PH Ρ Κ Lab [NO TEST] Soils: PERCENT SYMBOL SOIL SERIES 4B Cecil 1 4C 36 Cecil 63 16A Roanoke Field Warnings: Field Name: **DWEAM 8** Usable Acres: 9.10 Total Acres: 9.10 FSA Number: 12, 15 5256 Tract: Dinwiddie Location: Slope Class: В Hydrologic Group: В Riparian buffer width: 0 ft Distance to stream: 0 ft Conservation Practices: Pasture (>75% cover) P-Index Summary N-based Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method Soil Test Results: DATE PH Ρ Κ Lab [NO TEST]

SOIL SERIES

Soils:

**PERCENT** 

72

SYMBOL 4B C

Cecil

28 4C Cecil

Field Warnings:

**Tract Name:** 5454 FSA Number: 5454

Location:

Dinwiddie

Field Name:

**DWEAM 9** 

Total Acres: 8.20 Usable Acres: 8.20

FSA Number: None Tract: 5454

Location:

Dinwiddie

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE PH P

Κ

Lab

[NO TEST]

Soils:

PERCENT SYMBOL

SOIL SERIES

15 4C Cecil 85 4B Cecil

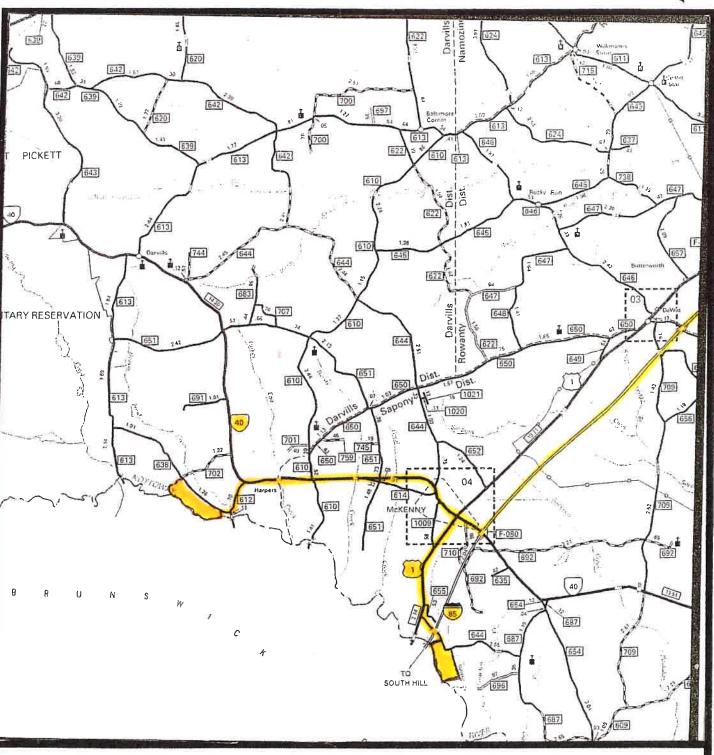
Field Warnings:

## MAPS

## Recyc Systems.

(Biosolids Land Application)





Scale:

1 inch = 2 miles

**DWEAM 1-15** 

8-12-2020

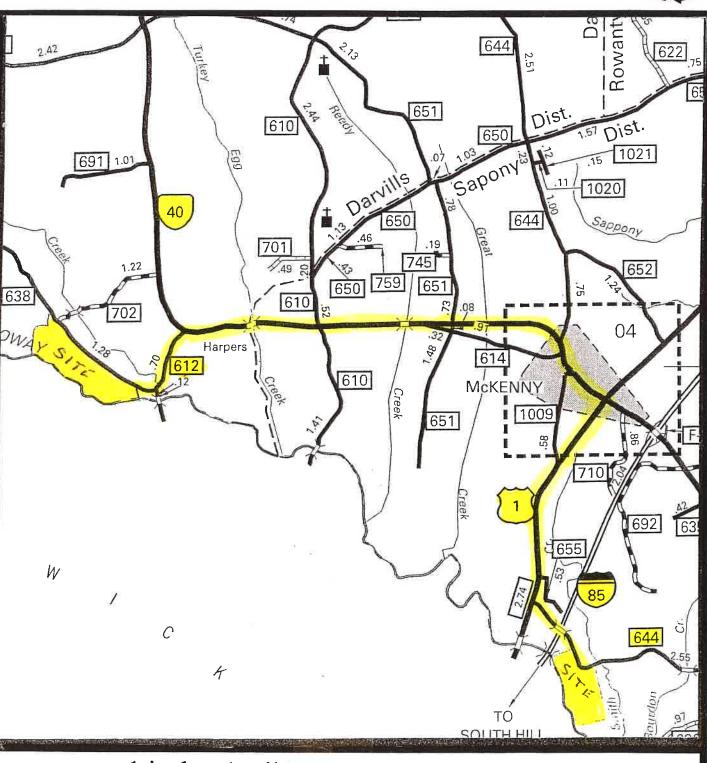
Touch Poute **VICINITY MAP** 

N

## Recyc Systems.

n) FARE

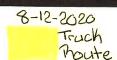
**nc.** (Biosolids Land Application)



Scale:

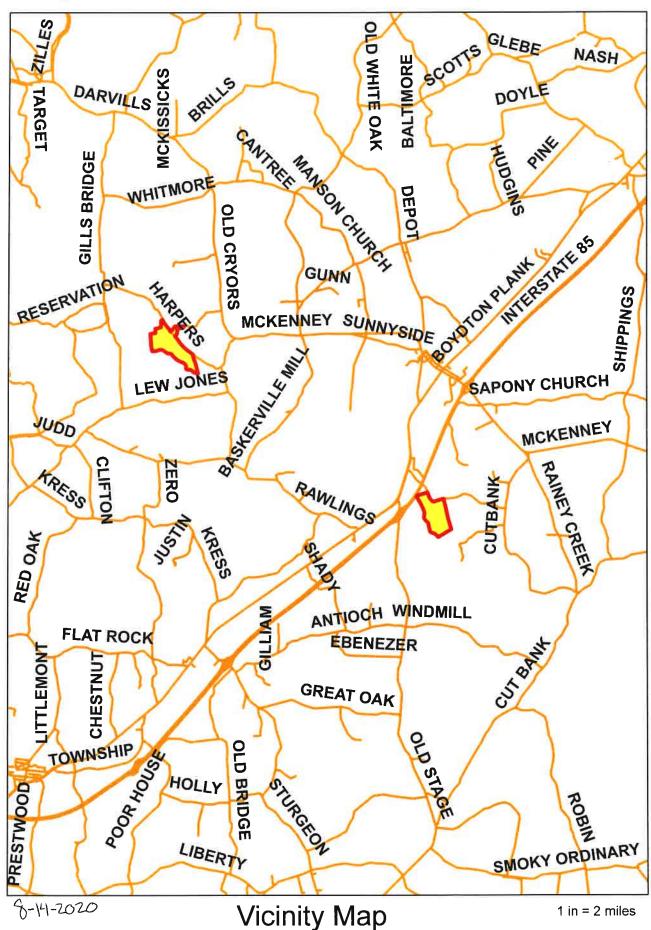
1 inch = 1 mile

**DWEAM 1-15** 

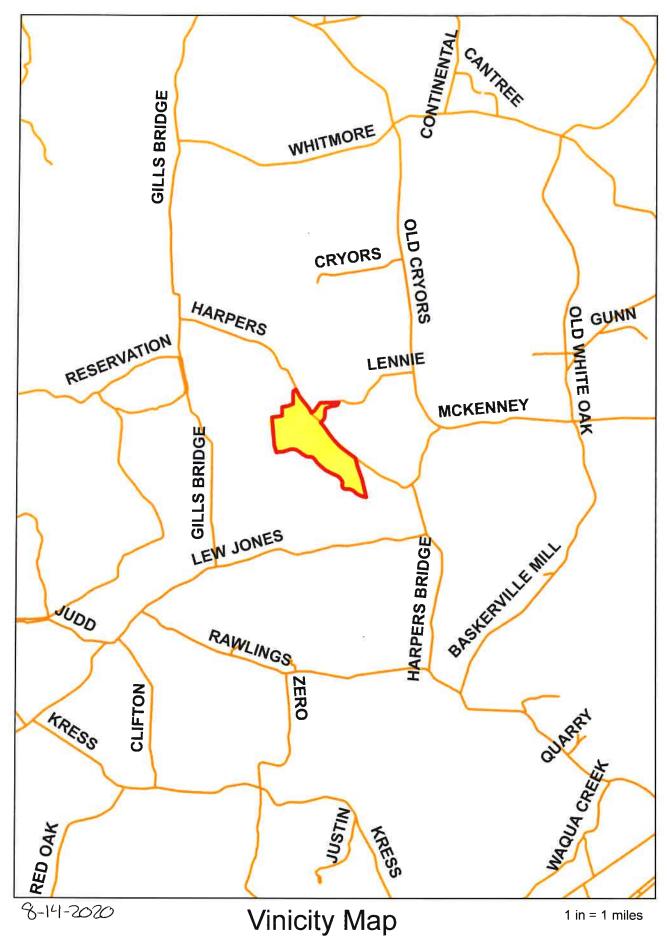




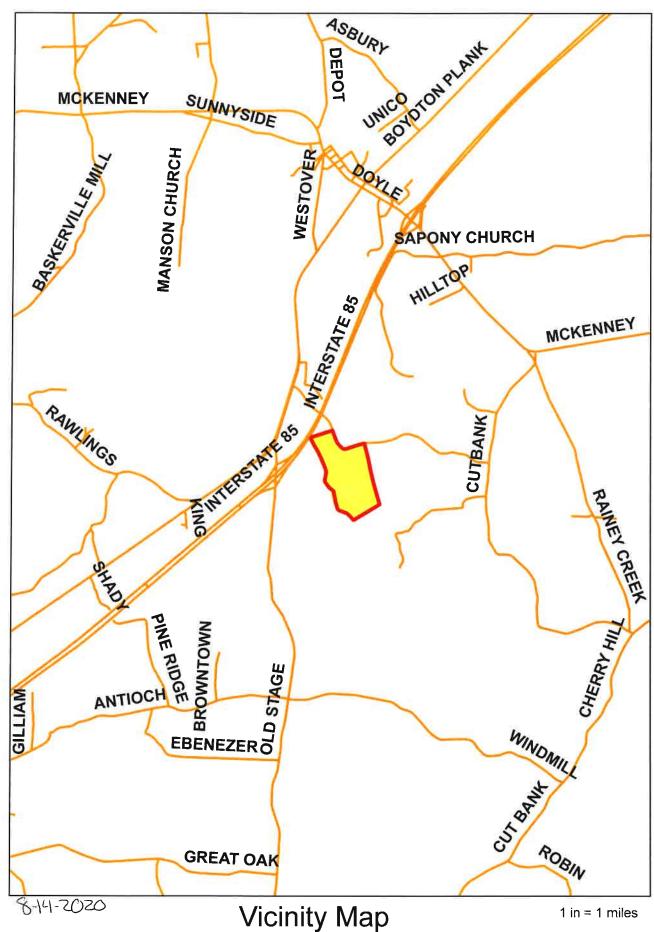
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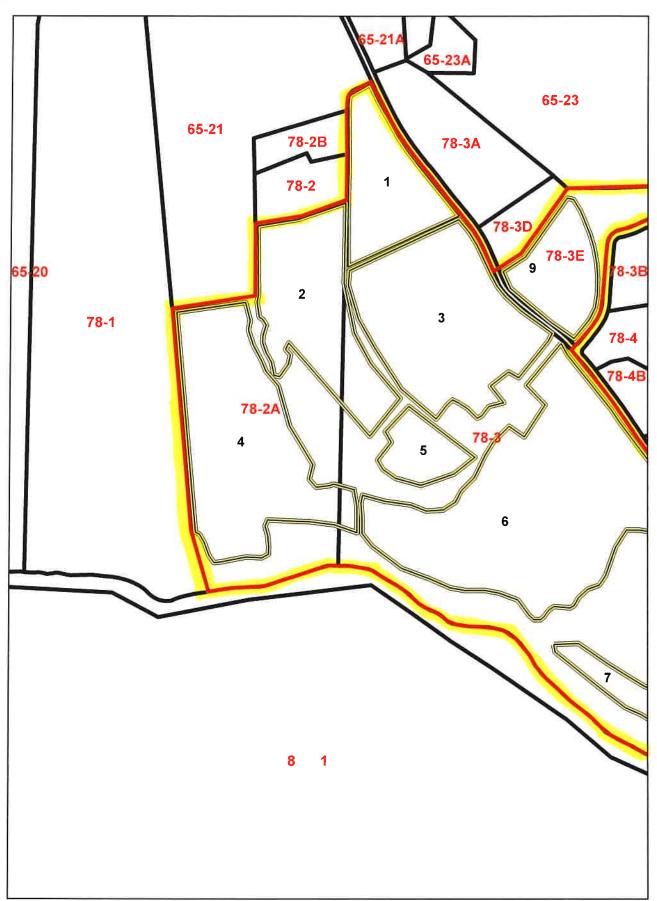








#### Earl Alan Mullis DWEAM



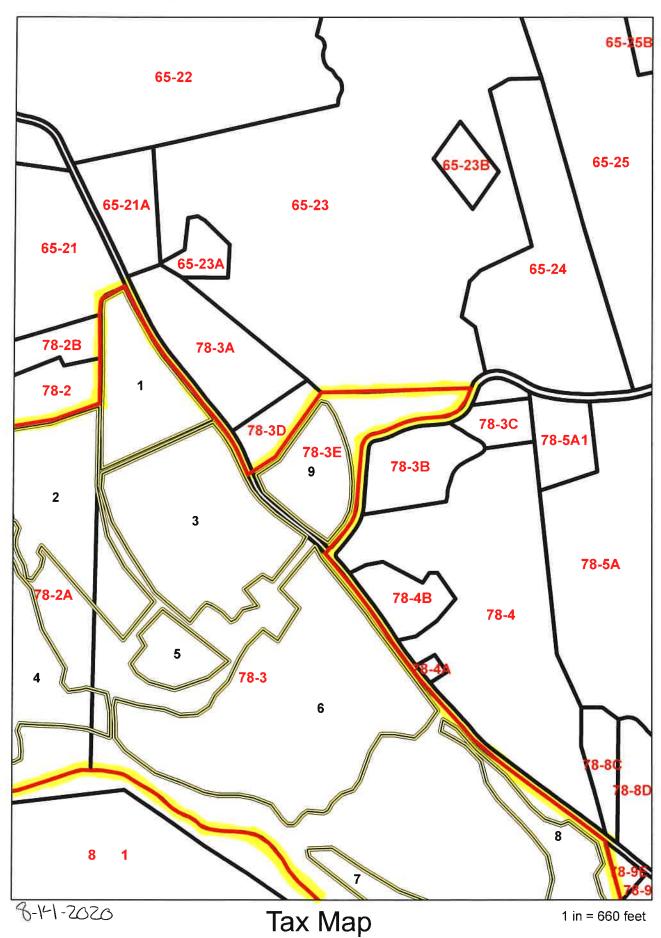
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8-14-2020

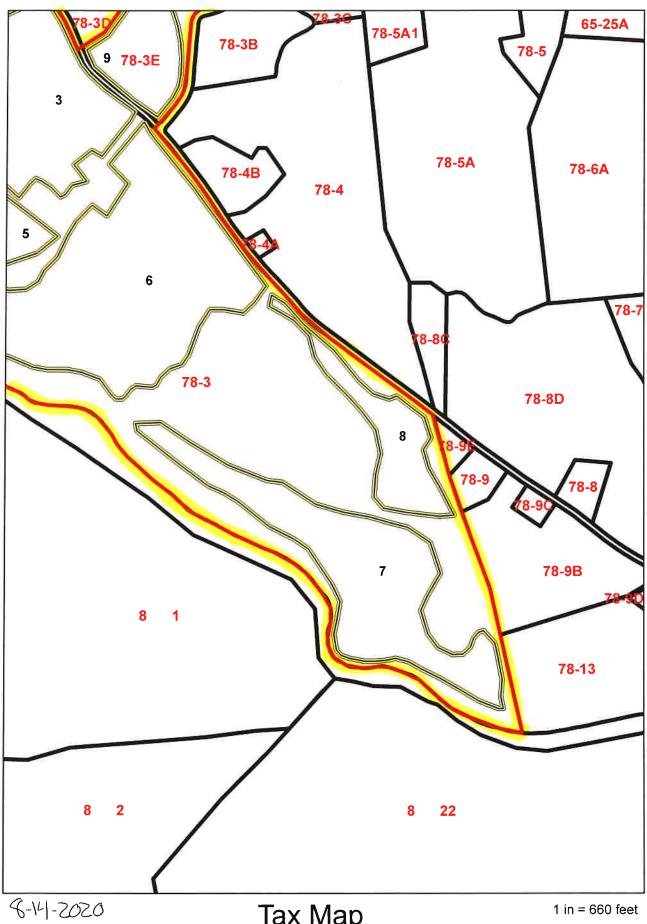
Tax Map

1 in = 660 feet



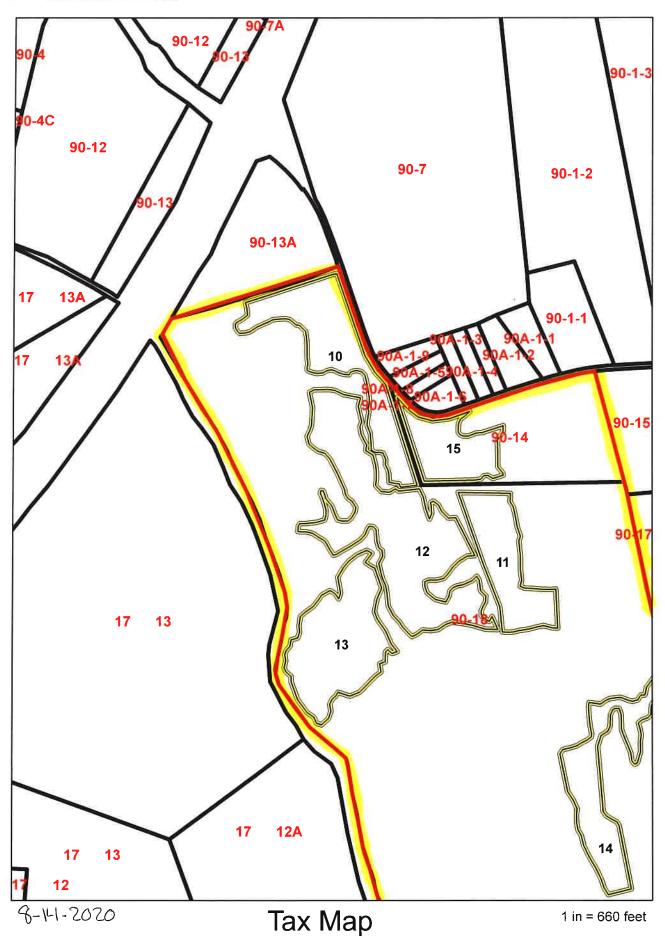




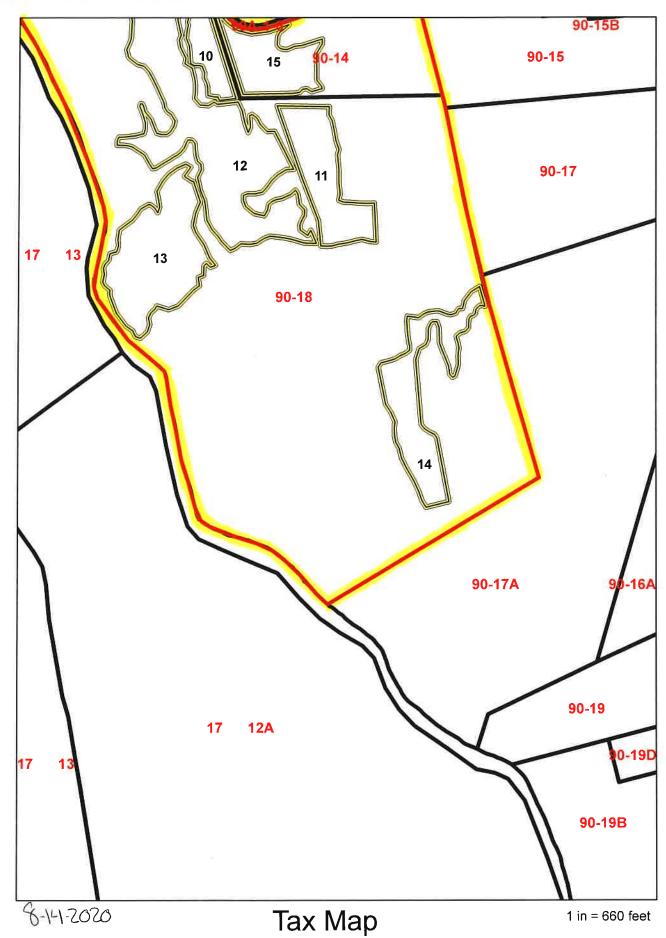


Tax Map 1 in = 660 feet









## **ADJOINING LANDOWNERS**

## Earl Alan Mullis

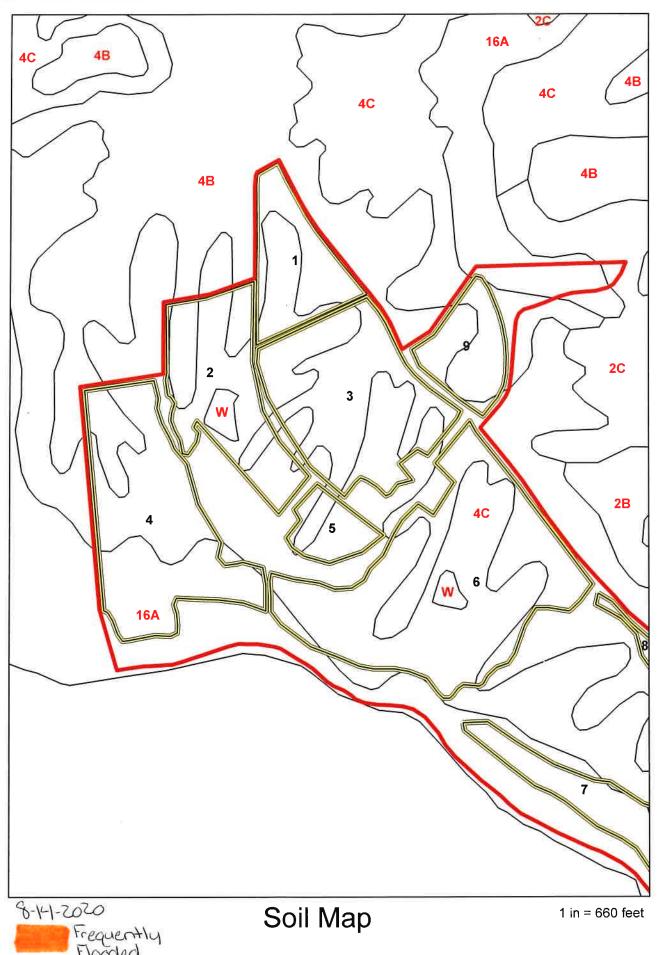
## **DINWIDDIE**

| Tax Map | Parcel # | Owner Name(s)   |  |  |
|---------|----------|---|--|--|
| 65      | 21       | Barry or Benda Resnick                                    |  |  |
|         | 23       | Hugh T. Rogers  |  |  |
|         |          |   |  |  |
| 78      | 1        | Revocable Trust Of Maynard Green, Maynard W Green Trustee |  |  |
|         | 2A       | Alma M. Hardy   |  |  |
|         | 2B       | Mary Sue Daniel   |  |  |
|         | 3A       | Donald T. Adams   |  |  |
|         | 3B       | Allie Gordon Barnes                                       |  |  |
|         | 3C       | Hugh T. Rogers  |  |  |
|         | 3D       | Larry Woodard   |  |  |
|         | 4        | Allie Gordon Barnes                                       |  |  |
|         | 4A       | Allie Gordon Barnes                                       |  |  |
|         | 4B       | Barnes Living Trustee                                     |  |  |
|         | 8C       | Kimberly Whitehurst                                       |  |  |
|         | 9        | Essie S. Byrd Life Estate & John I. & Meryl B. Harris     |  |  |
|         |          | Remainderman  |  |  |
|         | 9B       | Ellen B. Ozmore Life Estate                               |  |  |
|         | 9E       | John I. & Meryl B Harris                                  |  |  |
|         | 13       | RLP Investments LC  |  |  |
| 90      | 1-1      | Ammon A Tucker Sr   |  |  |
|         | 7        | Marion Lee Jones  |  |  |
|         | 13A      | Clayton D. Jr & Christa J. Oliver                         |  |  |
|         | 15       | Hildrey Lee Winn  |  |  |
|         | 17       | Benjamin C. Jr & Shelia H. Abernathy                      |  |  |
|         | 17A      | Michael B. & Kathryn S. Tolliver                          |  |  |
| 90A     | 1-1      | Robert & Alica Maass                                      |  |  |
|         | 1-2      | Allan C. Story Jr & William P. Gibbs                      |  |  |
|         | 1-3      | Gemini Real Estate LLC                                    |  |  |
|         | 1-4      | Ronald L. Knight  |  |  |
|         | - •      |   |  |  |
|         |          |   |  |  |

| - N.      | T 50 1 //                |  |  |  |  |
|-----------|--------------------------|--|--|--|--|
| Tax Map   | Parcel #                 | Owner Name(s)  |  |  |  |
| 90A       | 1-6<br>1-7<br>1-8<br>1-9 | James Leroy Babbitt James Leroy Babbitt Walter K. and Debra K. Inge Clayton W. Laugois |  |  |  |
| BRUNSWICK |                          |  |  |  |  |
| 8         | 1<br>22                  | Ward Burton Wildlife Foundation Janet M. Bowles and Mary Lyle Trust & als.             |  |  |  |
| 17        | 12A<br>13                | Coastal Forest Resources Company<br>Neil Corum   |  |  |  |
|           |                          |  |  |  |  |
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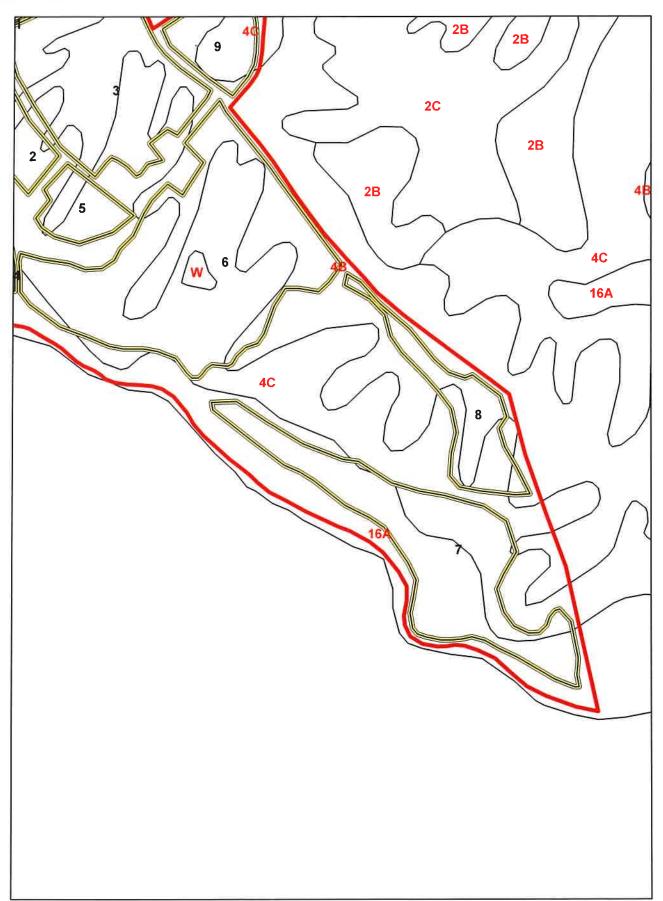
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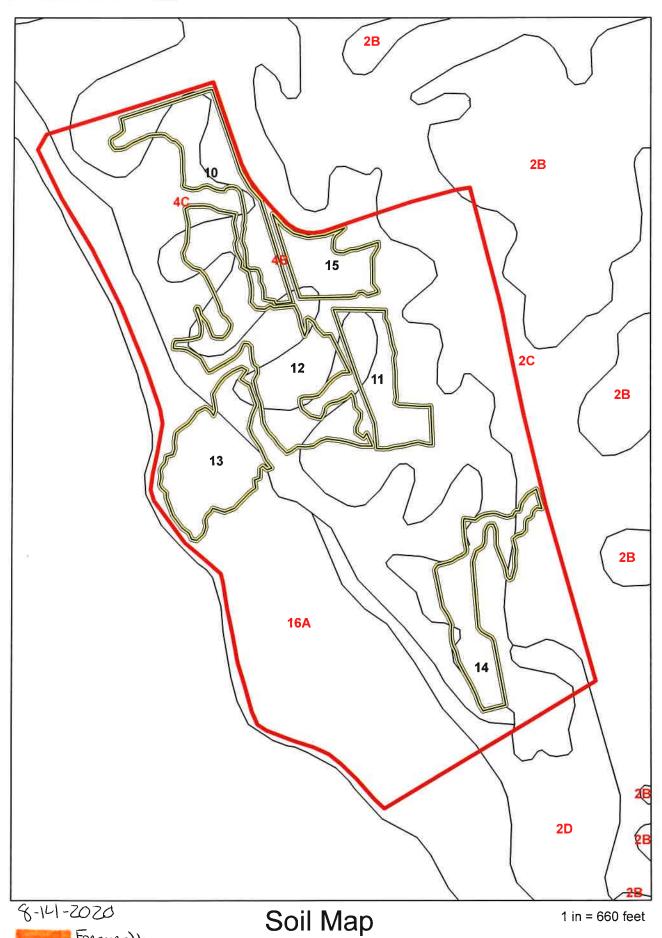








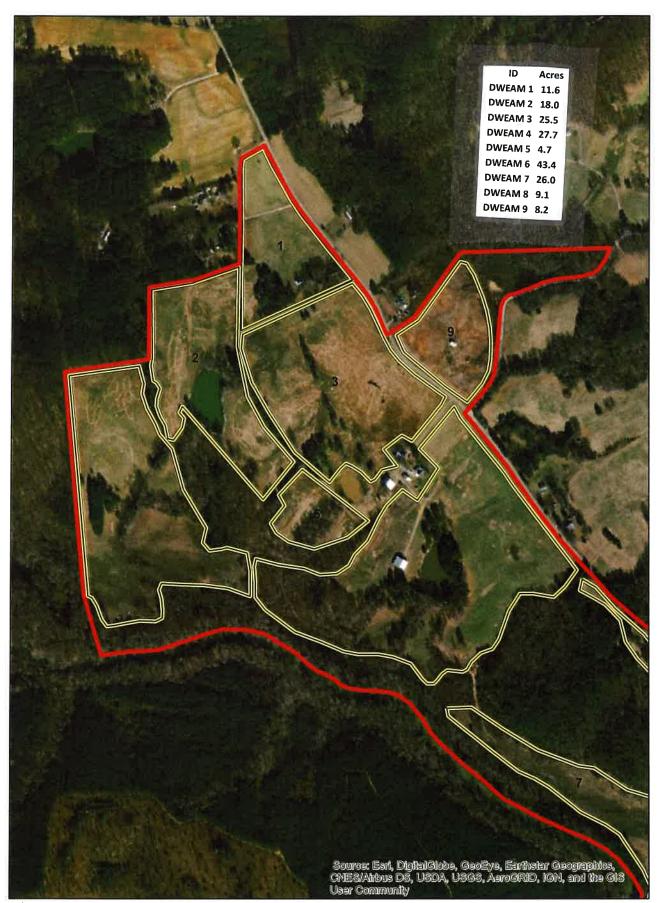






Frequently Flooded

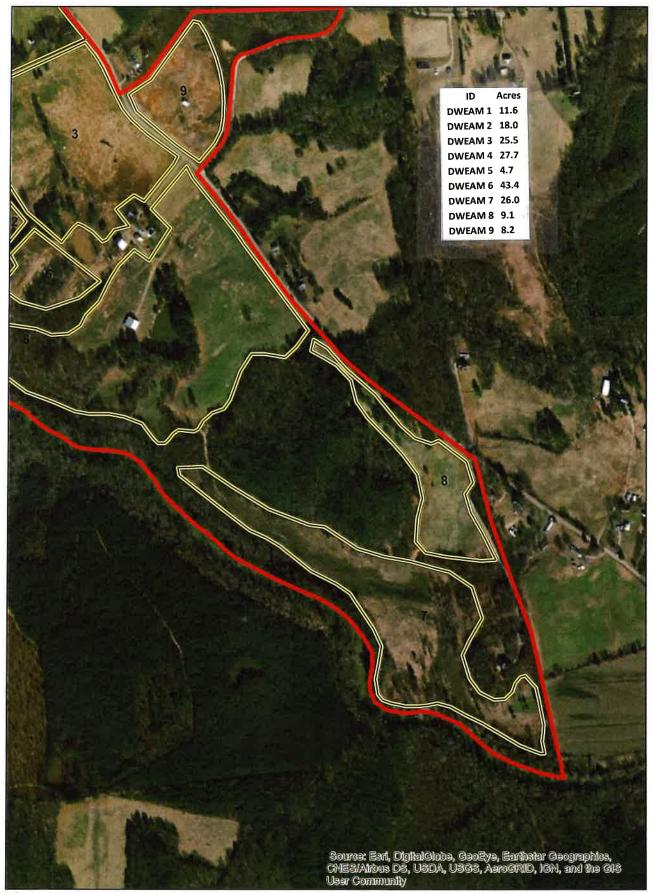






8-141-2020







8-141-2020





N

8-14-2020







## Farm 2323

Tract 5256

## 2019 Program Year

Map Created June 20, 2019

## **Common Land Unit**

- Non-Cropland Cropland
  - rcl\_l\_va053
- Tract Boundary

## Wetland Determination dentifiers

- Restricted Use
- **Exempt from Conservation** Compliance Provisions

Tract Cropland Total: 185.50 acres

United States Department of Agriculture (USDA) Farm Service Agency (FSA) maps are for FSA Program administration only. This map does not represent a legal survey or reflect actual ownership; rather it depicts the information provided directly from the producer and/or National Agricultural Imagery Program (NAIP) imagery. The producer accepts the data 'as is' and assumes all risks associated with its use. USDA-FSA assumes no responsibility for actual or consequential damage incurred as a result of any user's reliance on this data outside FSA Programs. Wetland identifiers do not represent the size, shape, or specific determination of the area. Refer to your original determination (CPA-026 and attached maps) for exact houndaries and determinations or contact USDA Natural Resources Conservation Service (NRCS)



Department of Agriculture

Dinwiddie County, Virginia



Farm 4099

## 2019 Program Year

79 NHEL

HARPERS

Map Created June 20, 2019

# **Common Land Unit**

Non-Cropland Cropland

rcl\_l\_va053 Tract Boundary

## Wetland Determination Identifiers

Restricted Use

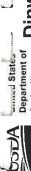
Limited

**Exempt from Conservation** Compliance Provisions Tract Cropland Total: 5.16 acres

350

175

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Agriculture

Dinwiddie County, Virginia



Farm 77

# 2019 Program Year

Map Created June 20, 2019

# **Common Land Unit**

Non-Cropland Cropland

6.56 里

- rcl\_l\_va053 Tract Boundary

## Wetland Determination Identifiers

- Restricted Use / Limited
- **Exempt from Conservation** 
  - Compliance Provisions

Tract Cropland Total: 74.70 acres

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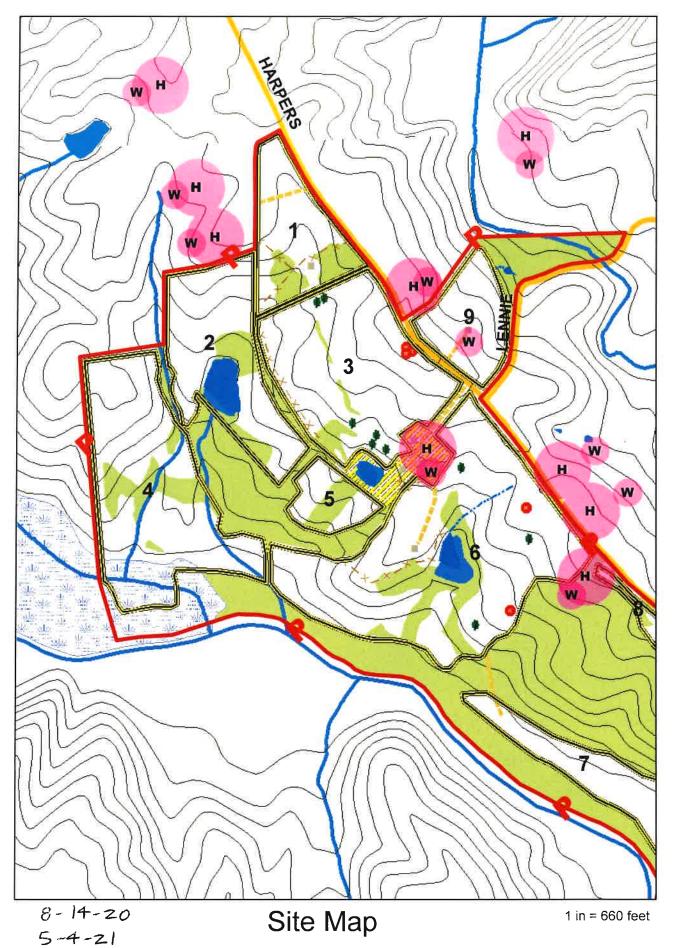
## **Legend For Site Plan**

| Symbol     | Feature                  | Minimum Setback   |
|------------|--------------------------|---|
| HW         | House and Well           | 200 feet from occupied dwelling * 100 feet from water supply wells or springs |
| ws         | Well or Spring           | 100 feet from water supply wells or springs                                   |
| ~          | Streams or Surface Water | 35 feet with 35 foot vegetated buffer 100 feet without vegetated buffer       |
| ш          | Wet Spot                 | e.  |
|            | Trees and Woods          |   |
|            | Private Drive            |   |
| R          | Rock Area/Rock Outcrop   | 25 feet from rock outcrops<br>50 feet from limestone rock outcrops            |
| Ξ          | Severely Eroded Spot     | 18 Inch minimum depth of soil   |
|            | Sink Hole                | 100 feet from open sinkholes<br>50 feet from closed sinkholes                 |
|            | State Road               | 10 feet from side of roadway  |
|            | Fence / Field Boundary   |   |
| _P _ P_ P_ | Property Line            | 100 feet from property line *   |
| SL S       | Slope                    | 15% maximum   |
|            | Hashed out Area          | No application  |

<sup>\*</sup>Buffer can be reduced or waived upon written consent from landowner.



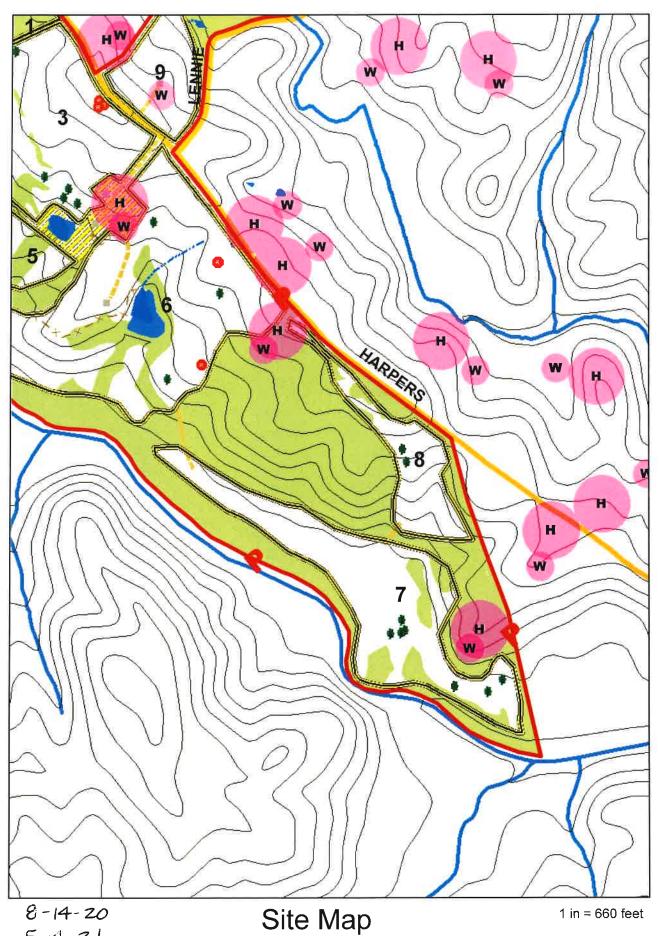




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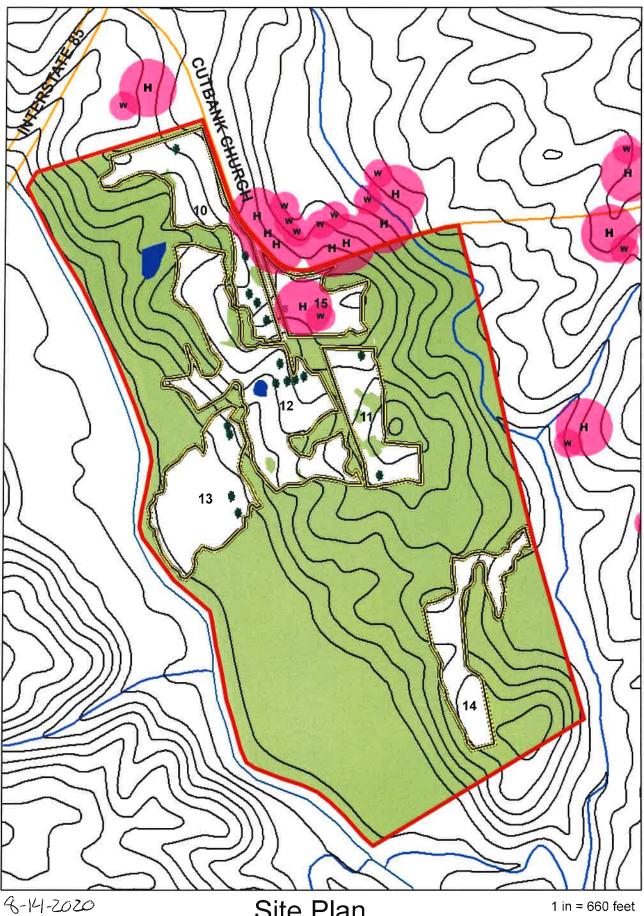






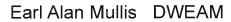
5-4-21



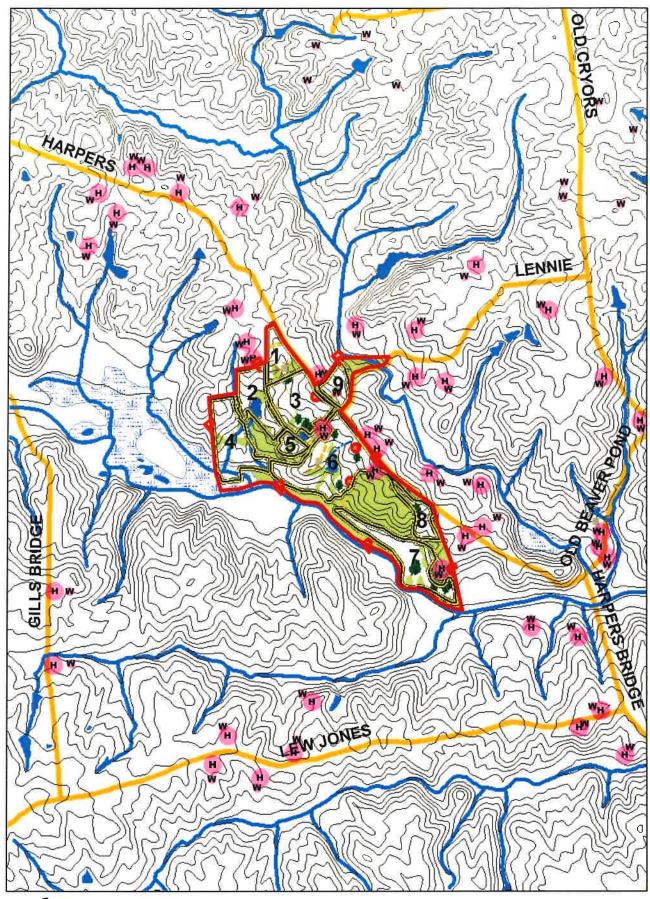




Site Plan 1 in = 660 feet







A

8-14-20 5-4-21

Topographic Map

1 in = 2,000 feet





